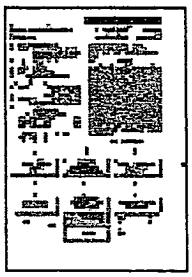
The Delphion Integrated View

Title: **JP63013282A2: NONAQUEOUS ELECTROLYTE SECONDARY BATTERY**

Derwent Title: Electrode useful for non-aq. secondary batteries - consists of graphite-like carbon deposited from gas phase [Derwent Record]



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1 page

Country: **JP** Japan
Kind: **A** (See also: JP06003745B4)

Inventor: **TAJIMA YOSHIMITSU;**
MORI MOTOO;
TANAKA HIDEAKI;

Assignee: **SHARP CORP**
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Application Number: **JP1986000156966**

IPC Code: Advanced: **C01B 31/02**; **C23C 16/26**; **H01M 4/58**; **H01M 4/96**; **H01M 10/40**;

Core: **C01B 31/00**; **H01M 10/36**; more...
IPC-7: **H01M 4/60**; H01M 10/40;

Priority Number: 1986-07-02 **JP1986000156966**

Abstract: PURPOSE: To increase charge-discharge cycle performance, to limit discharge capacity by that of a negative electrode, and to widen the range of usable materials by making the charge-discharge capacity of a positive electrode larger than that of a negative electrode in a nonaqueous electrolyte secondary battery comprising a positive electrode, a nonaqueous electrolyte, and a negative electrode using a specific carbon as active material.

CONSTITUTION: As a negative electrode of a secondary battery using nonaqueous organic solvent, a carbon body mainly comprising carbon which is formed from a hydrocarbon compound by vapor phase build-up method by low temperature heat decomposition at 1500°C or lower and has planar net-like six-membered ring atructure (graphite structure) having disorder layer structure and selective orientation structure is used, and the capacity of the negative electrode is made smaller than that of a positive electrode. A main planar spacing of the carbon is 0.337~0.355nm. The ratio of Raman strength 1360cm-1, to Raman strength of 1580cm-1 in Raman structure is 0.4~1.0. V2O5, Cr2O3, chalcogen compound, and composite or mixture of these compounds are used in the positive electrode.

INPADOC None **Get Now:** Family Legal Status Report

Legal Status:

Designated Country: DE FR GB

Family: Show 16 known family members

Forward References: **Go to Result Set:** Forward references (1)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6706447	2004-03-16	Gao; Yuan	FMC Corporation, Lithium Division	Lithium metal dispersion in secondary battery anodes

Other Abstract Info: CHEMABS 108(10)078670M DERABS C87-272820